

A B S T R A C T

A SYSTEM FOR FASTENING A VACUUM PUMP

5 The fastener system of the invention comprises a
coaxial annular flange (14) having through holes (16)
provided therein, each serving to pass a screw (17) for
screwing into an associated tapped hole (16) in the wall
(2) of a stationary structure. Each through hole (16)
10 comprises a circularly cylindrical distal segment (16a)
followed by an enlarged proximal segment (16b) adjacent
to the wall (2) of the stationary structure, and allowing
the shank (19) of the screw to bend and enabling a
corresponding lateral offset (D). This prevents the
15 screw (17) rupturing under high shear forces due to
accidental destruction of a vacuum pump rotor while
rotating at full speed.

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35 Translation of the title and the abstract as published by the PCT Authorities,
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or
48.3.